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Перші знахідки *Myxarium cinnamomescens* (Basidiomycota, Fungi) в Україні

Фоменко М.І., Мешков Я.В.

Харківський національний університет ім. В.Н. Каразіна, Україна

First finds of *Myxarium cinnamomescens* (Basidiomycota, Fungi) in Ukraine

Fomenko M.I., Mieshkov Ya.V.

V.N. Karazin Kharkiv National University

e-mail: m.fomenko.2734@gmail.com

Myxarium cinnamomescens (Raitv.) Raitv. – the fungal species which is *Myxarium nucleatum*-complex representative, is registered in Ukraine for the first time. Its identification is confirmed by morphological and molecular examination. As a result, the known area of distribution of this species significantly widens to the South.

Fungi with jelly-like basidiocarps within *Auriculariales* Bromhead are currently the target for nomenclature revision, especially *Myxarium* Wallr. (Spirin et. al, 2018; Spirin et. al, 2019; Stalpers et. al, 2021) From the time the genus was separated (Wallroth, 1833), a number of species have been described within. However, in 1998 P. Roberts synonymized some of this species with *Exidia nucleata* (Schwein.) Burt (= *M. nucleatum* sensu lato) (Roberts, 1998). Lately, by neotypification of *M. nucleatum* and morphological and phylogenetic analysis, *M. nucleatum*-complex was divided again into several species including *M. nucleatum* sensu strictu, *M. hyalinum*, *M. cinnamomescens* etc (Weiß et al, 2001; Spirin et al, 2018).

M. nucleatum sensu lato was firstly specified for the territory of Ukraine by A. Savchenko in 2013 on the basis of materials collected by O. Akulov from Kharkiv (Савченко, 2013). Subsequently, some of these specimens were revised by W. Spirin and reidentified as *M. hyalinum* (Spirin et al, 2018). Also *M. crozalicii* were reported from Ukraine (Spirin et al, 2019).

During the investigation of specimens CWU (Myc) AB 543 and AB 979, collected by O. Akulov in December of 2020 and 2021 we identified another species – *M. cinnamomescens* (Raitv.) Raitv. Until now species was known from Northern Europe: Finland, Estonia, Norway, and Northern Russia (GBIF, 2021; Pöldmaa et. al, 2019). Our findings show that the species also is distributed much further south, but formed basidiomata in winter. Specimens identification was confirmed in both morphological and molecular examination. Their ITS-region sequences were provided in GenBank with access numbers OK043674 and OK043675, respectively.

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